

L1 ANSWER 1 OF 1 WPINDEX COPYRIGHT 2009 THOMSON REUTERS on STN
 ACCESSION NUMBER: 1994-032009 [04] WPINDEX Full-text
 DOC. NO. CPI: C1994-014805 [04]
 TITLE: Hot-melt adhesive compsn for bonding biodegradable
 plastics - contains high mol thermoplastic resin and
 tackifier, either or both contg poly:lactic acid
 copolymer resin
 DERWENT CLASS: A17; A23; A81; G03
 INVENTOR: DOI K; KAWASAKI E; KITAMURA T; YASHIRO K
 PATENT ASSIGNEE: (MITK-C) MITSUI TOATSU CHEM INC
 COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
JP 05339557	A	19931221	(199404)*	JA	16[0]	<--
JP 3330390	B2	20020930	(200271)	JA	16	

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JP 05339557 A		JP 1992-152177	19920611
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The compsn. contains thermoplastic resin and a tackifier, one or both of them containing poly-lactic acid or lactic acid copolymer resin derived from lactic acid and other hydroxycarboxylic acids. The system has a melt viscosity of 10 to 300,000 cps. at 180 to 210 deg.C. A part or whole of the thermoplastic resin and/or tackifier is L type and/or D type poly-lactic acid or lactic acid copolymer resin derived from L type and/or D type lactic acid and other hydroxycarboxylic acids. The thermoplastic resin is one of or a mixture of two or more of high molecular modified poly-lactic acid having a molecular weight of higher than 10,000 on average selected from (a) urethanated poly-lactic acid, (b) esterified poly-lactic acid, (c) epoxy-modified poly-lactic acid, (d) urethanated modified poly-lactic acid, (e) silylated poly-lactic acid and (f) terminal esterified poly-lactic acid. The tackifier is one or more of low molecular poly-lactic acid having a mol. lower than 5,000 on average selected from (a) to (f). Other thermoplastic resins are polyamide, polyester, polyester-urethane, polycarbonate and polyolefin and other tackifiers are rosin ester and terpene-phenol resin. At least one wax component selected from natural wax, ester-amide wax and polyester wax and/or compatibilising plasticiser for poly-lactic acid is added to the compsn. in amount 0.1 to 50 weight%.